

HOUSATONIC RIVER BASIN

01198125 HOUSATONIC RIVER NEAR ASHLEY FALLS, MA

LOCATION.--Lat 42°04'29", long 73°20'02", Berkshire County, Hydrologic Unit 01100005, 2.5 mi downstream from Soda Creek, 3.1 mi upstream from Konkapot River.

DRAINAGE AREA.--465 mi².

PERIOD OF RECORD.--October 1991 to current year.

PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT CONCENTRATION: March 1994 to September 1995.

SUSPENDED-SEDIMENT DISCHARGE: March 1994 to September 1995.

REMARKS.--Samples for dissolved aluminum and zinc collected from May through September 2000 were reanalyzed because of possible contamination in the lab; those samples that could not be reanalyzed have been updated to the original concentration with a "less-than" (<) data qualifier.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT CONCENTRATION: Maximum daily mean, 94 mg/L, March 9, 1995, minimum daily mean, 1 mg/L on several days.

SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 962 tons, April 8, 1994, minimum daily 0.41 tons, Aug. 25, 1995.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, (PER-CENT SATUR-ATION) (00301)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
NOV 08...	1120	768	284	284	8.0	3.0	6.5	2.6	11.4	94	120
JAN 12...	1200	997	297	297	8.1	3.0	2.5	7.1	12.6	95	160
MAR 20...	1130	2050	242	247	8.0	6.5	4.0	7.8	12.9	99	36
MAY 15...	0940	1530	257	267	8.1	13.0	15.0	7.2	8.7	88	130
JUN 15...	1200	2960	223	231	7.9	19.0	14.5	12	9.5	95	96
JUL 19...	1050	1880	220	230	7.8	18.5	20.0	20	7.9	89	440
AUG 03...	1120	775	288	300	7.9	27.5	21.0	9.4	7.9	92	K64
SEP 25...	1110	550	297	299	8.3	14.5	15.0	.6	8.9	90	64
DATE	ENTERO-COCCI ME, MF WATER TOTAL (COL / 100 ML) (31649)	ENTERO-COCCI (MEI) MF 24 HOUR (COL / 100 ML) (90909)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CAR-BONATE WATER DIS IT MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
NOV 08...	K8	--	110	28.9	9.49	12.3	1.3	0	127	104	10.2
JAN 12...	60	--	110	29.1	9.77	14.5	1.2	0	120	98	11.0
MAR 20...	K60	--	86	22.4	7.19	11.8	.9	0	94	77	8.1
MAY 15...	--	24	99	25.7	8.41	10.6	.9	0	107	88	7.0
JUN 15...	--	80	91	23.8	7.55	9.4	.9	0	105	86	6.4
JUL 19...	--	K244	90	23.7	7.55	9.2	.9	0	103	84	4.9
AUG 03...	--	29	120	30.0	10.1	12.7	1.1	0	133	109	7.6
SEP 25...	--	31	120	31.1	10.2	14.7	1.3	0	133	109	9.0
DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)
NOV 08...	20.4	<.1	3.9	157	161	<.010	.305	<.020	--	.37	.23
JAN 12...	22.2	<.1	3.5	164	171	<.010	.561	.034	.25	.29	.19
MAR 20...	20.6	<.1	3.2	133	140	<.010	.302	<.020	--	.23	.14
MAY 15...	18.0	<.1	3.0	147	157	<.010	.252	.037	.41	.44	.31
JUN 15...	14.1	<.1	3.5	129	140	<.010	.244	.037	.34	.37	.24
JUL 19...	12.9	<.1	4.0	134	150	<.010	.234	.022	.48	.50	--
AUG 03...	19.6	<.1	4.0	166	--	<.010	.463	<.020	--	.38	.23
SEP 25...	19.2	<.1	4.4	165	166	<.010	.477	<.020	--	.29	.22

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WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)
NOV 08...	.68	.029	.015	<.010	10	<1	10	<1	<1.0	<.8	<1
JAN 12...	.85	.045	.017	<.010	38	<1	9	<1	<1.0	<.8	<1
MAR 20...	.53	.039	.010	<.010	11	<1	9	<1	<1.0	<1.0	<1
MAY 15...	.70	.056	.011	.010	<20	<1	9	<1	<1.0	<.8	<1
JUN 15...	.62	.062	.020	.013	16	<1	10	<1	<1.0	E.6	<1
JUL 19...	.73	.082	.024	.015	12	<1	10	<1	<1.0	<.8	<1
AUG 03...	.84	.053	.027	.020	12	<1	13	<1	<1.0	<.8	<1
SEP 25...	.77	.044	.023	.019	13	<1	13	<1	<1.0	.9	<1

DATE	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
NOV 08...	<1	70	<1	26	<1	<1	<1	1	<1	--
JAN 12...	<1	50	<1	21	<1	2	<1	2	<1	3.7
MAR 20...	<1	40	<1	16	<1	<1	<1	<1	<1	3.2
MAY 15...	1	70	<1	12	<1	1	<1	<4	<1	5.1
JUN 15...	<1	70	<1	11	<1	<1	<1	<1	<1	4.8
JUL 19...	1	60	<1	8	<1	<1	<1	<1	<1	6.1
AUG 03...	1	50	<1	20	<1	<1	<1	<1	<1	5.1
SEP 25...	<1	100	<1	18	<1	<1	<1	<1	<1	4.2